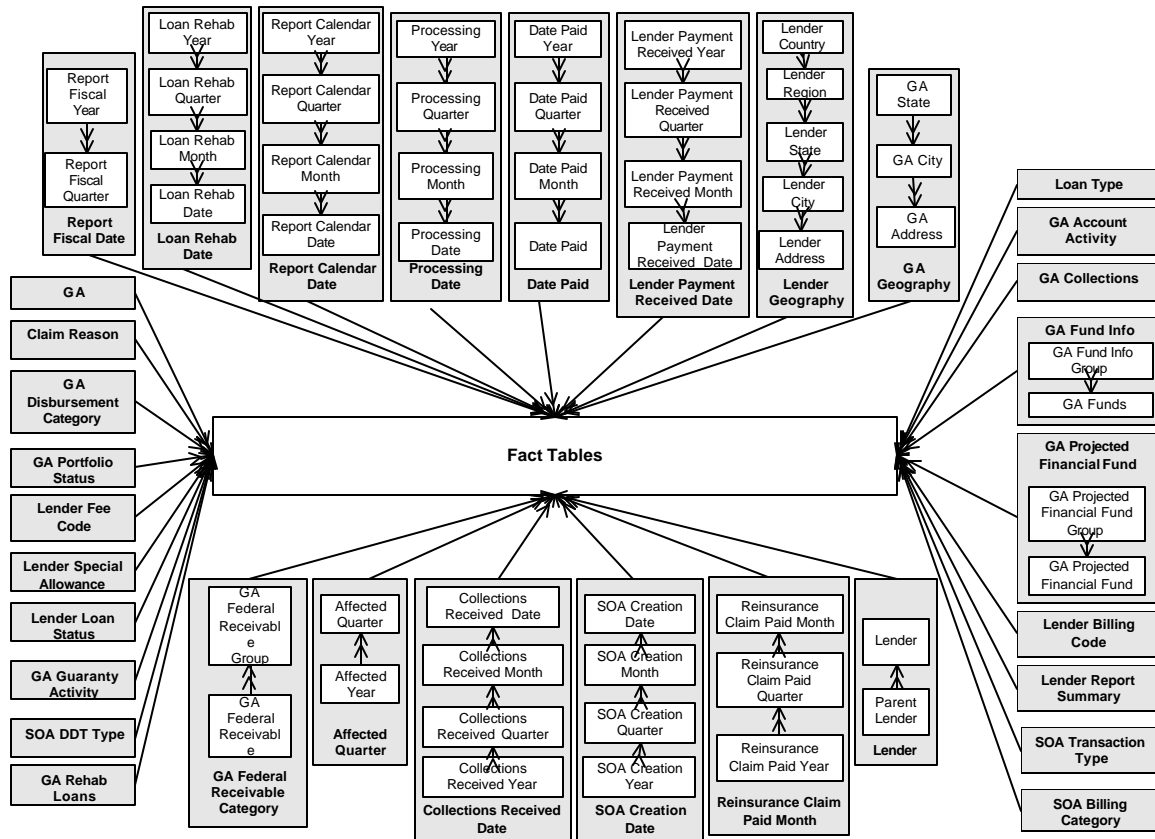# APPENDIX B

FP Data Mart
Logical Data Model

This appendix provides the logical data model, associating the fact tables with their appropriate dimensions, for each fact table within the FP Data Mart. The overview model is followed by the model for each fact table.

FP Data Mart Logical Data Model Overview

```
Report Fiscal Date
├── Report Fiscal Year
└── Report Fiscal Quarter

GA

GA Geography
├── GA State
├── GA City
└── GA Address

SOA Billing Statement

SOA Creation Date
├── SOA Creation Date
├── SOA Creation Month
├── SOA Creation Quarter
└── SOA Creation Year

SOA Billing Category
```

```
                                                    ┌──────────────┐
                                                    │  ┌────────┐  │
                                                    │  │   GA   │  │
                                                    │  │  State │  │
                                                    │  └────────┘  │
                                                    │      ↓       │
                                                    │  ┌────────┐  │
                                                    │  │ GA City│  │
                                                    │  └────────┘  │
                                                    │      ↓       │
                                                    │  ┌────────┐  │
                                                    │  │   GA   │  │
                                                    │  │ Address│  │
                                                    │  └────────┘  │
                                                    │      GA      │
                                                    │   Geography  │
                                                    └──────────────┘
      ┌────────────┐
      │     GA     │
      └────────────┘

              ┌─────────────────────────────────────────────────┐
              │             SOA Activity Summary                 │
              └─────────────────────────────────────────────────┘

                            ┌──────────────────┐
                            │  ┌────────────┐  │
                            │  │SOA Creation│  │
                            │  │    Date    │  │
                            │  └────────────┘  │
                            │  ┌────────────┐  │
                            │  │SOA Creation│  │
                            │  │   Month    │  │
                            │  └────────────┘  │
                            │  ┌────────────┐  │
                            │  │SOA Creation│  │
                            │  │  Quarter   │  │
                            │  └────────────┘  │
                            │  ┌────────────┐  │
                            │  │SOA Creation│  │
                            │  │    Year    │  │
                            │  └────────────┘  │
                            │  SOA Creation    │
                            │      Date        │
                            └──────────────────┘
```

GA State

GA City

GA Address

GA Geography

GA

SOA DDT

SOA DDT Type

SOA Creation Date

SOA Creation Month

SOA Creation Quarter

SOA Creation Year

SOA Creation Date

GA State

GA City

GA Address

GA Geography

GA

GA Disbursement Category

SOA Summary of Final Transactions

SOA Creation Date

SOA Creation Month

SOA Creation Quarter

SOA Creation Year

SOA Creation Date

SOA Transaction Type

| Lender Payment Received Year |
| Lender Payment Received Quarter |
| Lender Payment Received Month |
| Lender Payment Received Date |

Lender Payment Received Date

| Lender Country |
| Lender Region |
| Lender State |
| Lender City |
| Lender Address |

Lender Geography

Lender Rebate Fee

| Lender |
| Parent Lender |

Lender

| Processing Year |
| Processing Quarter |
| Processing Month |
| Processing Date |
| **Processing Date** |

| Date Paid Year |
| Date Paid Quarter |
| Date Paid Month |
| Date Paid |
| **Date Paid** |

| Lender Country |
| Lender Region |
| Lender State |
| Lender City |
| Lender Address |
| **Lender Geography** |

Lender Payment Report

| Lender |
| Parent Lender |
| **Lender** |

Lender Report Summary

Report Fiscal Date
- Report Fiscal Year
- Report Fiscal Quarter

Report Calendar Date
- Report Calendar Year
- Report Calendar Quarter
- Report Calendar Month
- Report Calendar Date

Processing Date
- Processing Year
- Processing Quarter
- Processing Month
- Processing Date

Date Paid
- Date Paid Year
- Date Paid Quarter
- Date Paid Month
- Date Paid

Lender Geography
- Lender Country
- Lender Region
- Lender State
- Lender City
- Lender Address

Loan Type

Lender: Guaranteed Loan Portfolio Status

Lender Loan Status

Lender
- Lender
- Parent Lender

Report Fiscal Date	Report Calendar Date	Processing Date	Date Paid	Lender Geography	Loan Type
Report Fiscal Year	Report Calendar Year	Processing Year	Date Paid Year	Lender Country	
Report Fiscal Quarter	Report Calendar Quarter	Processing Quarter	Date Paid Quarter	Lender Region	
	Report Calendar Month	Processing Month	Date Paid Month	Lender State	
	Report Calendar Date	Processing Date	Date Paid	Lender City	
				Lender Address	

Lender Fees

Lender Fee Code

Lender
Lender
Parent Lender

Report Calendar Year

Report Calendar Quarter

Report Calendar Month

Report Calendar Date

Report Calendar Date

Lender Risk Scorecard

Lender

Parent Lender

Lender

```
┌─────────────────┐   ┌─────────────────┐
│ Report Calendar │   │   Processing    │
│      Year       │   │      Year       │
├────────▼────────┤   ├────────▼────────┤
│ Report Calendar │   │   Processing    │
│    Quarter      │   │    Quarter      │
├────────▼────────┤   ├────────▼────────┤
│ Report Calendar │   │   Processing    │
│     Month       │   │     Month       │
├────────▼────────┤   ├────────▼────────┤
│ Report Calendar │   │   Processing    │
│      Date       │   │      Date       │
├─────────────────┤   ├─────────────────┤
│ Report Calendar │   │   Processing    │
│      Date       │   │      Date       │
└─────────────────┘   └─────────────────┘
```

```
┌─────────────────┐
│     Report      │
│  Fiscal Year    │
├────────▼────────┤
│     Report      │
│  Fiscal Quarter │
├─────────────────┤
│     Report      │
│   Fiscal Date   │
└─────────────────┘
```

```
┌─────────────────┐
│       GA        │
│     State       │
├────────▼────────┤
│     GA City     │
├────────▼────────┤
│       GA        │
│    Address      │
├─────────────────┤
│       GA        │
│   Geography     │
└─────────────────┘
```

```
┌─────────┐
│   GA    │
└─────────┘
```

```
┌─────────────────┐
│   GA Fund Info  │
├─────────────────┤
│  GA Fund Info   │
│     Group       │
├────────▼────────┤
│    GA Funds     │
└─────────────────┘
```

```
┌──────────────────────────────────────────────────────┐
│                                                        │
│                    GA Fund Source                      │
│                                                        │
└──────────────────────────────────────────────────────┘
```

Report Calendar Year	Processing Year		GA State

| Report Calendar Quarter | Processing Quarter | | GA City |

| Report Calendar Month | Processing Month | | GA Address |

| Report Calendar Date | Processing Date | | **GA Geography** |

Report Calendar Date   **Processing Date**

GA

GA Collections

GA Disbursement Category

GA Collection

Collections Received Date
Collections Received Month
Collections Received Quarter
Collections Received Year
Collections Received Date

Report Calendar Year		Processing Year
Report Fiscal Year	Report Calendar Quarter	Processing Quarter
Report Fiscal Quarter	Report Calendar Month	Processing Month
Report Fiscal Date	Report Calendar Date	Processing Date

GA

GA State
GA City
GA Address
GA Geography

GA Operating Fund

GA Operating Fund Category

Loan Rehab Year

Loan Rehab Quarter

Loan Rehab Month

Loan Rehab Date

Loan Rehab Date

Report Calendar Year

Report Calendar Quarter

Report Calendar Month

Report Calendar Date

Report Calendar Date

Processing Year

Processing Quarter

Processing Month

Processing Date

Processing Date

GA State

GA City

GA Address

GA Geography

GA

GA Disbursement Category

GA Rehabilitated Loans

GA Rehab Loans

| Report Calendar Year |
| Processing Year |

| Report Fiscal Year |
| Report Calendar Quarter |
| Processing Quarter |
| GA State |
| Loan Type |

| Report Fiscal Quarter |
| Report Calendar Month |
| Processing Month |
| GA City |

| **Report Fiscal Date** |
| Report Calendar Date |
| Processing Date |
| GA Address |

| **Report Calendar Date** | **Processing Date** | **GA Geography** |

| GA |

| Claim Reason |

Guaranty Activity

| **GA Guaranty Activity** |

Report Calendar Year

Report Calendar Quarter

Report Calendar Month

Report Calendar Date

Report Calendar Date

Processing Year

Processing Quarter

Processing Month

Processing Date

Processing Date

GA State

GA City

GA Address

GA Geography

GA

Claim Reason

GA Disbursement Category

GA Refund

Reinsurance Claim Paid Month

Reinsurance Claim Paid Quarter

Reinsurance Claim Paid Year

Reinsurance Claim Paid Month

| Report Calendar Year |
| Report Calendar Quarter |
| Report Calendar Month |
| Report Calendar Date |
| **Report Calendar Date** |

| Processing Year |
| Processing Quarter |
| Processing Month |
| Processing Date |
| **Processing Date** |

| GA State |
| GA City |
| GA Address |
| **GA Geography** |

GA Account Activity

GA

GA Disbursement Category

GA Account Activity

| Collections Received Date |
| Collections Received Month |
| Collections Received Quarter |
| Collections Received Year |
| **Collections Received Date** |

Report Fiscal Date
- Report Fiscal Year
- Report Fiscal Quarter

GA

Report Calendar Date
- Report Calendar Year
- Report Calendar Quarter
- Report Calendar Month
- Report Calendar Date

Processing Date
- Processing Year
- Processing Quarter
- Processing Month
- Processing Date

GA Geography
- GA State
- GA City
- GA Address

GA Federal Fund

GA Projected Financial Fund
- GA Projected Financial Fund Group
- GA Projected Financial Fund

	Report Calendar Year	Processing Year		GA State
Report Fiscal Year	Report Calendar Quarter	Processing Quarter		GA City
Report Fiscal Quarter	Report Calendar Month	Processing Month		GA Address
Report Fiscal Date	Report Calendar Date	Processing Date		**GA Geography**
	Report Calendar Date	**Processing Date**		
GA				

GA Projected Financial Fund

GA Projected Financial Fund Group
GA Projected Financial Fund

GA Restricted Fund

| Report Calendar Year |
| Report Calendar Quarter |
| Report Calendar Month |
| Report Calendar Date |

Report Calendar Date

| Processing Year |
| Processing Quarter |
| Processing Month |
| Processing Date |

Processing Date

| GA State |
| GA City |
| GA Address |

GA Geography

GA

Claim Reason

GA Disbursement Category

GA Additional Reinsurance Request

Report Calendar Year
↓
Report Calendar Quarter
↓
Report Calendar Month
↓
Report Calendar Date
Report Calendar Date

Processing Year
↓
Processing Quarter
↓
Processing Month
↓
Processing Date
Processing Date

GA State
↓
GA City
↓
GA Address
GA Geography

GA

Claim Reason

GA Disbursement Category

GA Reinsurance Request

Report Calendar Year	Processing Year		GA State

Report Calendar Quarter	Processing Quarter		GA City

Report Calendar Month	Processing Month		GA Address

Report Calendar Date	Processing Date		**GA Geography**
Report Calendar Date	**Processing Date**		

GA

Claim Reason

GA Disbursement Category

GA Change Status Supplemental Reinsurance Request

| Report Calendar Year |
| Report Calendar Quarter |
| Report Calendar Month |
| Report Calendar Date |
| **Report Calendar Date** |

| Processing Year |
| Processing Quarter |
| Processing Month |
| Processing Date |
| **Processing Date** |

| GA State |
| GA City |
| GA Address |
| **GA Geography** |

GA

Claim Reason

GA Disbursement Category

GA Change Request